

Miniature Metal Bellows Coupling I Series MKG-VA

- /// all-stainless steel version up to 350°C /// wear and maintenance free
- /// very short and variable design /// torsionally stiff
- /// simple installation with clamping hub

technical data:

MKG-VA size	T _N [Nm]	moment of inertia [kgmm ²]	torsional stiffness [Nm/arcmin]			max. shaft misalignment [mm]						axial spring rate [N/mm]			lateral spring rate [N/mm]			mass approx. [g]
			2W	4W	6W	axial ±			lateral			2W	4W	6W	2W	4W	6W	
						2W	4W	6W	2W	4W	6W							
1,5	1,5	1	-	0,3	-	-	0,3	-	-	0,1	-	-	34	-	-	140	-	26
4	4	4	1,3	0,9	14	0,2	0,3	0,5	0,05	0,1	0,2	135	75	45	2500	400	140	60
8	8	19	3,3	2,1	23	0,3	0,4	0,5	0,1	0,15	0,25	150	85	60	2300	400	130	140
15	15	44	6	3,4	23	0,3	0,4	0,5	0,1	0,15	0,25	100	55	50	2100	360	110	220

max. operational speed: 20.000 Upm temperature range: -40°C up to +350°C

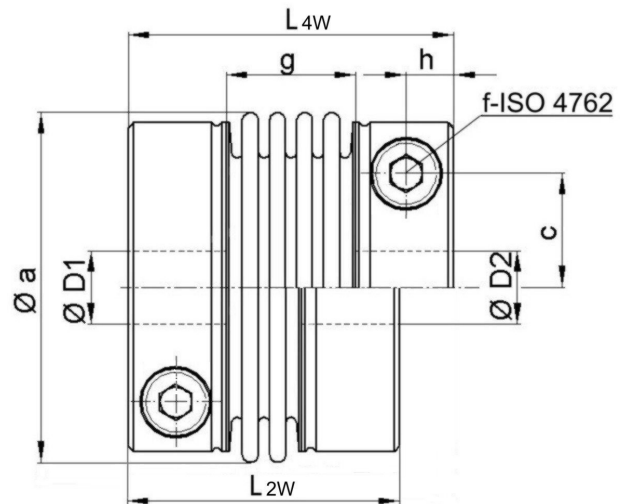
material:

bellows: stainless steel 1.4571 / A4

hubs: 1.4301 / A2

screws: ISO 4762 stainless steel / A4-80

optional: ISO 4762 / 12.9



notes: connection between bellows and hub by plasma welding. Three standard versions with 6-corrugation bellows 6W, 4-corrugation bellows 4W or 2-corrugation bellows 2W. Size 1.5 with 5-corrugated metal bellows.

Dimensions [mm]: length dimensions according to DIN ISO 2768 cH

MKG-VA	Øa	c	f-TA	g			h	L			ØD1/2 min	ØD1/2 max
				2W	4W	6W		2W	4W	6W		
1,5	19	4,3	2xM2,5-1(1,5)	-	11	-	3,3	-	29	-	3	6,35
4	24	7,3	M3-1(2)	6	10	14	4,5	25	29	33	8(5)	11
8	34	10,5	M4-2,5(4)	11	16	23	5	33	38	45	9(7)	16
15	40	13	M5-5(8)	12	17	23	6	38	43	49	11(8)	20

- clamping hubs generally with stainless steel screws A4-80 without EASY-pin - mind reduced actuation torques
- check transmission torques of hub-shaft connection for diameters below Dmin (further inquiry possible)
- optional: coated screws of property class 12.9 for higher clamping forces or torques see values in brackets
- alternative lengths or hub versions available on request

order example: MKG-VA 4 / 4W D1 = 8^{G7} D2 = 11^{G7} - stainless steel screws
MKG-VA 15 / 2W D1 = 13^{G7} D2 = 20^{G7} - screws - 12.9 - coated
MKG-VA 8 / 6W D1 = 12^{G7} D2 = 16^{G7} - stainless steel screws